

Product Performance Data Evaluation Review

by
Kevin J. Sweeney, Entomologist, IB

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7/2/04

Date: 7/02/04

Reviewer: William Sproat

Product: TC 240

EPA File Symbol: 499-LNG

PM: George LaRocca, PM 13

Dec# 339317

DP 298914

Chemical: lambda-cyhalothrin 0.05% & prallethrin 0.03%

Formulation: RTU spray

Sites: indoor commercial and residential sites

Pests: crawling and fly insect pests on the label.

Request: review data submitted to support label kill claims.

OPPTS Guidelines 810.3500 as they apply.

GLP: No

Submitted Study:

MRID 46100501 Efficacy Evaluations of TC-240 (0.05% lambda-cyhalothrin; 0.03% prallethrin) Against Selected Arthropod Pests *in vitro*. William Donahue, Sierra Research Laboratories. 2002.

Direct spray applications with TC-241 were evaluated against pests listed on the product label. These pests included: cat fleas; sawtooth grain beetle; striped-tailed scorpion; brown dog tick; cellar spiders; house cricket; carpenter ant; blacklegged tick; giant centipede; and the yellow fever mosquito. The treatment resulted in 100% Knockdown (KD) at one-hour and 100% mortality at 24 hours post-treatment.

Entomologist's recommendations:

(one acceptable to) direct spray and surface trt

1. The submitted studies support "kills" claims for the tested pests listed on the product label.